

Listing of the Claims:

1. (Currently Amended) A method for generating audio sounds on a radio frequency audio sound generator from a remote audio signal source, the method comprising the steps of:

providing a housing;

supplying an audio signal ~~storage media in~~ from the audio signal source to the housing by conductors;

providing a connector coupled to one end of the conductors, the connector connectable to the audio signal source;

providing a cable carrying the conductors including at least first and second stereo channel signal conductors, the first and second conductors connected at one end to a stereo encoder and at the other end to the connector;

electrically connecting the connector to the audio signal source;

providing an antenna conductor in the cable; and

connecting the antenna conductor to a transmitter in the housing;

generating audio signals from the audio signal storage media onto the first and second conductors;

generating a first frequency radio frequency carrier signal ~~from an oscillator;~~

modulating the audio signals on the first frequency radio frequency carrier signal; and

transmitting the first frequency radio frequency carrier signal with the modulated audio signals to a radio frequency audio signal demodulator in a remote radio frequency receiver for broadcast of the audio signals.

2. (Original) The method of claim 1 further comprising the steps of:

providing an audio generator for generating the audio signals and an audio transmitter for transmitting the carrier signal and the modulated audio signal in separate housings.

3. (Cancelled)

4. (Cancelled)

5. (Currently Amended) The method of claim 1 further comprising:

the first frequency radio frequency carrier signal is being within the FM radio frequency band.

6. (Original) The method of claim 1 wherein the step of generating a first frequency radio frequency carrier signal further comprises the step of:

selecting one of a plurality of radio frequency carrier signals as the first frequency carrier signal.

7. Cancelled

8. Cancelled

9. (Currently Amended) The method of claim[[7]] 1 further comprising the step of:

providing a recess externally in the housing, the recess adapted for removably receiving the connector when the connector is not connected to the audio signal generator.

10. (Currently Amended) ~~The method of claim 9 further comprising the step of:~~ A method for generating audio sounds on a radio frequency

audio sound generator from a remote audio signal source, the method comprising the steps of:

providing a first housing;

supplying an audio signal storage media in the first housing as the audio signal source;

generating audio signals from the audio signal storage media;

providing a cable carrying first and second stereo channel signal conductors and a signal ground conductor, the first and second conductors connected at one end to a stereo encoder and at the other end to a connector;

providing an audio output connector on the first housing;

electrically connecting the connector to the audio output connector on the first housing;

generating a first frequency radio frequency carrier signal from an oscillator in a second housing carrying the connector;

modulating the audio signals on the first frequency radio frequency carrier signal;

transmitting the first frequency radio frequency carrier signal with the modulated audio signals to a radio frequency audio signal demodulator in a remote radio frequency receiver for broadcast of the audio signals;

providing a recess externally in the second housing, the recess adapted for removably receiving the connector when the connector is not connected to the audio output connector in the first housing; and

forming the cable in a hand carrying loop when the connector is mounted in the recess on the second housing.

11. (Currently Amended) The method of claim [[8]] 1 further comprising the step of:

terminating the opposite end of the antenna conductor in the cable disconnected from the connector.

12. (Currently Amended) ~~The method of claim 8 further comprising steps of:~~ A method for generating audio sounds on a radio frequency audio sound generator from a remote audio signal source, the method comprising the steps of:

providing a first housing;

supplying an audio signal storage media in the first housing as the audio signal source;

generating audio signals from the audio signal storage media;

providing a cable carrying first and second stereo channel signal conductors and a signal ground conductor, the first and second conductors connected at one end to a stereo encoder and at the other end to a connector;

providing an audio output connector on the first housing;

electrically connecting the connector to the audio output connector on the first housing;

generating a first frequency radio frequency carrier signal from an oscillator in a second housing carrying the connector;

modulating the audio signals on the first frequency radio frequency carrier signal;

transmitting the first frequency radio frequency carrier signal with the modulated audio signals to a radio frequency audio signal demodulator in a remote radio frequency receiver for broadcast of the audio signals;

providing a recess externally in the second housing, the recess adapted for removably receiving the connector when the connector is not connected to the audio output connector in the first housing; and

providing a plurality of band pass filters in the second housing connected between the first and second stereo channel conductors and the signal ground conductor in the cable and the stereo encoder in the second housing.

13. (Currently Amended) An apparatus for generating sounds on a radio frequency audio generator from a remote audio signal storage media according to the method of claim 1 comprising:

a first housing;

an audio signal generator in the housing for generating audio signals from ~~the~~ an audio signal storage media in the first housing;

~~conductors~~ conductor means for communicating the audio signals from the remote audio signal storage media first housing to the a second housing , the conductor means including a multi-conductor cable extending from the second housing and carrying conductors including at least first and second conductors for first and second stereo channel audio signals, and an antenna conductor;

an oscillator in the second housing generating a first frequency radio frequency carrier signal;

a modulator coupled to the oscillator for modulating the audio signals with the first frequency radio frequency carrier signal; and

a transmitter coupled to the modulator for transmitting the first frequency radio frequency carrier signal with the modulated audio signals to a radio frequency demodulator in a remote radio frequency receiver for broadcast of the audio signals.

14. Cancelled

15. (Currently Amended) ~~The apparatus of claim 14 further comprising:~~ An apparatus for generating sounds on a radio frequency audio generator from a remote audio signal storage media according to the method of claim 1 comprising:

a first housing;

an audio signal generator in the first housing for generating audio signals from an audio signal storage media in the first housing;

conductors connected to a second housing and releasably connectable to the first housing for communicating the audio signals from the remote audio signal storage media to the second housing, the conductors including first and second conductors for first and second stereo channel audio signals, a signal ground conductor and an antenna conductor;

an oscillator in the second housing generating a first frequency radio frequency carrier signal;

a modulator coupled to the oscillator for modulating the audio signals with the first frequency radio frequency carrier signal;

a transmitter coupled to the modulator for transmitting the first frequency radio frequency carrier signal with the modulated audio signals to a radio frequency demodulator in a remote radio frequency receiver for broadcast of the audio signals;

a multi-conductor cable extending from the second housing and carrying the conductors;

a plurality of band pass filters carried in the second housing, one band pass filter coupled to each of the first and second conductors and to the signal ground conductor.

16. (Currently Amended) The apparatus of claim [[14]] 13 wherein the connector further comprising:

a connector coupled to the free end of the cable, the connector adapted for coupling the first and second conductors and the signal ground conductor to an audio player.

17. (Currently Amended) The apparatus of claim 14 further comprising:

a recess formed externally in the second housing for removable receiving the jack connector on the free end of the cable.

18. (Currently Amended) A wireless audio transmitter apparatus coupling an audio player having an audio signal output to an audio receiver capable of outputting audio signals at a first frequency, the apparatus comprising:

a portable housing;

a connector ~~coupled to the housing and~~ adapted for coupling to the audio signal output ~~signal~~ from an audio player to;

a multi-conductor cable extending from the housing and carrying at least first and second conductors for first and second stereo channel audio signals, and an antenna conductor, the connector coupled to the cable;

a radio frequency oscillator carried in the housing, the radio frequency oscillator generating a radio frequency carrier;

a radio frequency modulator carried in the housing for modulating the audio signal output of the audio player on the radio frequency carrier; and

~~an~~ the antenna conductor ~~carried on the housing and~~ coupled to the modulator for wirelessly transmitting the modulated signal to a remote audio receiver.

19. (Original) The apparatus of claim 18 further comprising:

a radio frequency selector, coupled to the oscillator, for selecting one of a plurality of different radio frequency carrier signals.

20. (Original) The apparatus of claim 19 further comprising:

the frequency selector switch carried externally on the housing.

21. (Cancelled)

22. (Currently Amended) ~~The apparatus of claim 21 further comprising:~~ A wireless audio transmitter apparatus coupling an audio player having an audio signal output to an audio receiver capable of outputting audio signals at a first frequency, the apparatus comprising:

a portable housing;

a connector adapted for coupling to the audio output signal from an audio player to a radio frequency oscillator carried in the housing, the radio frequency oscillator generating a radio frequency carrier;

a radio frequency modulator carried in the housing for modulating the audio signal output of the audio player on the radio frequency carrier;

an antenna conductor coupled to the modulator for wirelessly transmitting the modulated signal to a remote audio receiver;

a radio frequency selector, coupled to the oscillator, for selecting one of a plurality of different radio frequency carrier signals, the frequency selector switch carried externally on the housing;

a multi-conductor cable extending from the housing and carrying first and second conductors for first and second stereo channel audio signals, a third conductor for a signal ground, and a fourth conductor for the antenna;

a plurality of band pass filters carried in the housing, one band pass filter coupled to each of the first, second and third conductors.

23. (Currently Amended) The apparatus of claim [[21]] 18 wherein the connector further comprising:

a jack coupled to the free end of the cable, the jack adapted for coupling the first, second and third stereo channel conductors to an audio player.

24. (Original) The apparatus of claim 23 further comprising:

a recess formed externally in the housing for removable receiving the jack.

25. (Currently Amended) ~~The apparatus of claim 24 wherein:~~ A

wireless audio transmitter apparatus coupling an audio player having an audio signal

output to an audio receiver capable of outputting audio signals at a first frequency,
the apparatus comprising:

a portable housing;

a connector adapted for coupling to the audio output signal from an
audio player to a radio frequency oscillator carried in the housing, the radio frequency
oscillator generating a radio frequency carrier;

a radio frequency modulator carried in the housing for modulating the
audio signal output of the audio player on the radio frequency carrier;

an antenna conductor coupled to the modulator for wirelessly
transmitting the modulated signal to a remote audio receiver;

a radio frequency selector, coupled to the oscillator, for selecting one of
a plurality of different radio frequency carrier signals, the frequency selector switch
carried externally on the housing;

a multi-conductor cable extending from the housing and carrying first
and second conductors for first and second stereo channel audio signals, a third
conductor for a signal ground, and a fourth conductor for the antenna;

the connector including a jack coupled to the free end of the cable, the
jack adapted for coupling the first, second and third stereo channel conductors to an
audio player;

a recess formed externally in the housing for removable receiving the
jack;

the cable forms a hand carrying loop when the jack is mounted in the
recess on the housing.

26. (Currently Amended) A method for generating audio sounds on
a radio frequency audio sound generator from a remote audio signal source, the
method comprising the steps of:

providing a first housing;

supplying an audio signal storage media in the first housing;

generating audio signals from the audio signal storage media in the first housing;

providing a second housing;

generating a first frequency radio frequency carrier signal from an oscillator carried in the second housing;

connecting the first housing to the second housing in electrical signal communication by an electrical cable including audio signal conductors and an antenna conductor;

modulating the audio signals onto the first frequency radio frequency carrier signal; and

transmitting the first frequency radio frequency carrier signal with the modulated audio signals over the antenna conductor to a radio frequency audio signal demodulator in a remote radio frequency receiver for broadcast of the audio signals.

27. (New) A method for generating audio sounds on a radio frequency audio sound generator from a remote audio signal source, the method comprising the steps of:

providing a first housing;

providing an audio signal source in the first housing;

generating audio signals from the audio signal source;

providing a cable carrying signal conductors;

providing an audio output connector on the first housing;

electrically connecting the conductors to the audio output connector on the first housing by a connector on an end of the conductors;

generating a first frequency radio frequency carrier signal from an oscillator in a second housing carrying the connector;

connecting the cable to the second housing to supply the audio signals to the second housing;

modulating the audio signals on the first frequency radio frequency carrier signal;

transmitting the first frequency radio frequency carrier signal with the modulated audio signals to a remote radio frequency receiver for broadcast of the audio signals;

providing a recess externally in the second housing, the recess adapted for removably receiving the connector on the conductors when the connector is not connected to the audio output connector in the first housing; and

forming the cable in a hand carrying loop when the connector is mounted in the recess on the second housing.